

1996 FASEB Summer Research Conference
on
Principles in Viral, Bacterial, Fungal, and Protozoan Pathogenesis

Rafi Ahmed (Emory), Co-chair
John Collier (Harvard), Co-chair

June 8-13, Snowmass Village, Colorado

<u>June 9:</u>	Session I	Microbial Invasion
	Session II	Microbe: Macrophage Interaction
<u>June 10:</u>	Session III	Macromolecular Structures/Interactions Involved in Pathogenesis
	Session IV	Virulence Determinants
<u>June 11:</u>	Session V	Host Defense: Effector Systems
	Session VI	Keynote Address
<u>June 12:</u>	Session VII	Host Defense: Cytokines in Infectious Disease
	Session VIII	Host:Pathogen Interactions
<u>June 13:</u>	Session IX	Genetic Selections Applicable to Understanding Molecular Interactions

1996 FASEB Summer Research Conference
on
Principles in Viral, Bacterial, Fungal, and Protozoan Pathogenesis

Rafi Ahmed (Emory), Co-chair
John Collier (Harvard), Co-chair

June 8-13, Snowmass Village, Colorado

Session I. Microbial Invasion

- | | |
|------------------------------|-------------------------------------|
| 1. Kathryn Holmes (Colorado) | Coronavirus |
| 2. Nina Agabian (UCSF) | Adhesion of <i>Candida albicans</i> |
| 3. Glen Nemorow (Scripps) | Adenovirus |
| 4. Virginia Miller (UCLA) | Yersinia |

Session II. Microbe: Macrophage Interaction

- | | |
|-----------------------------------|--|
| 1. David Russell (Washington U) | Overview: Survival mechanisms of intracellular pathogens |
| 2. Philip Hanna (Duke) | Anthrax |
| 3. William Goldman (Washington U) | Histoplasma |
| 4. Alan Sher (NIH) | Toxoplasma |

Session III: Macromolecular Structures/Interactions Involved in Pathogenesis

- | | |
|---------------------------------|-----------------------------|
| 1. John Collier (Harvard) | Overview: Microbial Toxins |
| 2. Randall Holmes (Colorado) | Toxin repressor structure |
| 3. John Young (Harvard) | Virus:receptor interactions |
| 4. Scot Hultgren (Washington U) | Chaperone/usher structure |
| 5. Patricia Johnson (UCLA) | Trichomonas |

Session IV: Virulence Determinants

- | | |
|-------------------------------------|------------------------|
| 1. John Boothroyd (Stanford) | Genetics of Toxoplasma |
| 2. David Knipe (Harvard) | Herpesviruses |
| 3. Daniel Portnoy (U. Pennsylvania) | Listeria |
| 4. Donald Nuss (Roche) | Fungal Infections |

Session V. Host Defense: Effector Systems

- | | |
|----------------------------------|---|
| 1. Philippa Marrack | Overview: T. cell development and function |
| 2. Alex Sette (Cytel) | Therapeutic Vaccines |
| 3. Diane Griffin (Johns Hopkins) | Antibody mediated clearance of virus from neurons |
| 4. Rafi Ahmed (Emory) | Immunological memory to viruses |
| 5. Eric Palmer (Yale) | Antigen presentation/Listeria |

Session VI: Keynote Address

Michael Oldstone (Scripps)

Session VII. Host Defense: Cytokines in Infectious Diseases

- | | |
|----------------------------|---|
| 1. Robert Coffman (DNAX) | Overview: Regulation of TH1 and TH2 cytokine production by microbes |
| 2. Christine Biron (Brown) | Cytokines and natural killer cells |
| 3. Robert Modlin (UCLA) | Leprosy |
| 4. Carl Nathan (Cornell) | Nitric Oxide |

Session VIII: Host: pathogen Interactions

- | | |
|------------------------------|----------------------------------|
| 1. Grant McFadden (Alberta) | Viral defense molecules |
| 2. Magdalene So (Oregon) | Antigenic variation in Neisseria |
| 3. Kasturi Haldar (Stanford) | Malaria |
| 4. Jeff Miller (UCLA) | Bordetella |

Session IX: Genetic Selections Applicable to Understanding Molecular Interactions

- | | |
|-----------------------------------|---|
| 1. John Mekalanos (Harvard) | Overview: Genetic analysis of host-microbe interactions |
| 2. Haiyan Fu (Emory) | Negative selection based on diphtheria toxin A chain two hybrid systems |
| 3. Jack Keene (Duke) | Combinatorial approaches to analyzing protein-RNA interactions |
| 4. June Scott (Emory) | Streptococcal M protein variation: combinatorial changes affecting structure and function |
| 5. Robert Deresiewicz (B&W Hosp.) | In vivo expression technology and <i>Staphylococcus aureus</i> |